

I-5: SR 510 to SR 512

Joint Base Lewis-McChord Vicinity

Paula J. Hammond, P.E.
Secretary

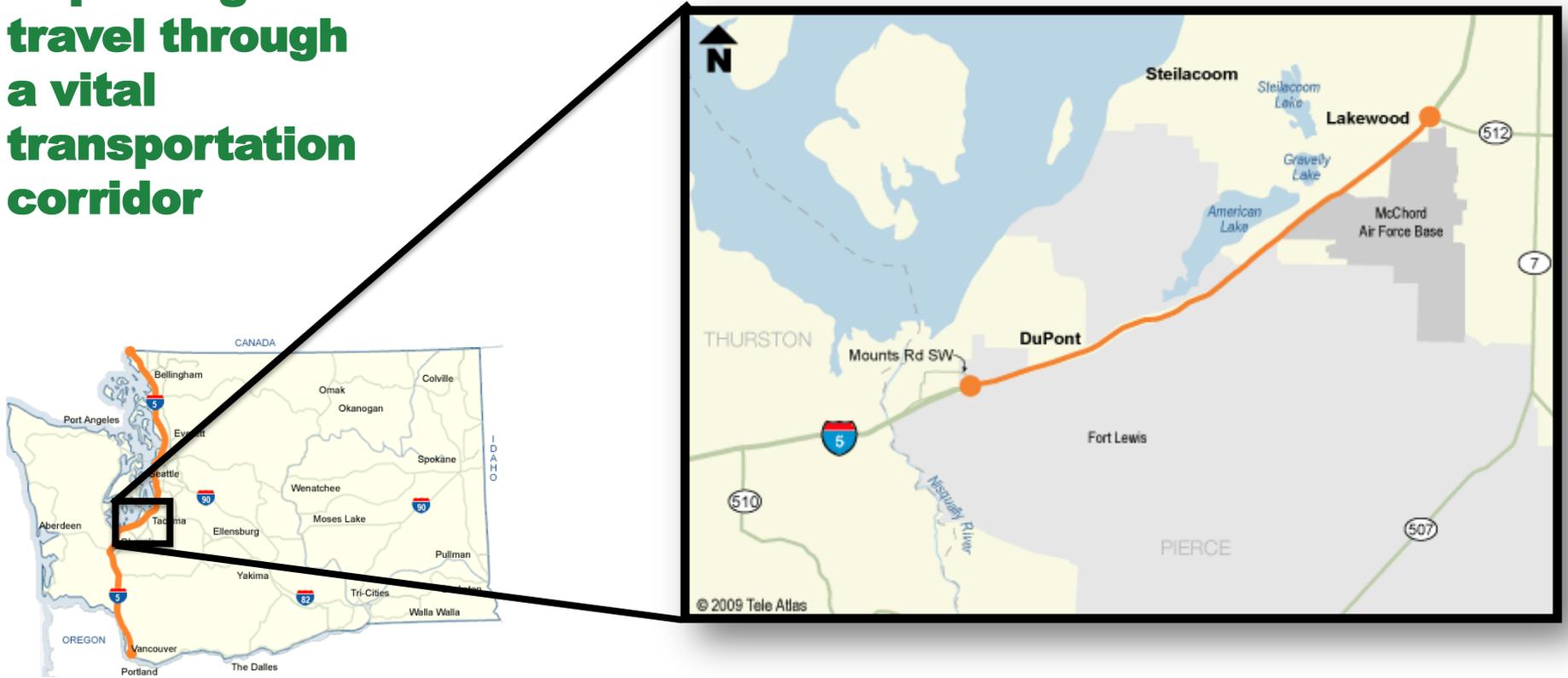
David L. Dye, P.E.
Deputy Secretary

Steve Reinmuth
Chief of Staff

Kevin Dayton
Olympic Region Administrator

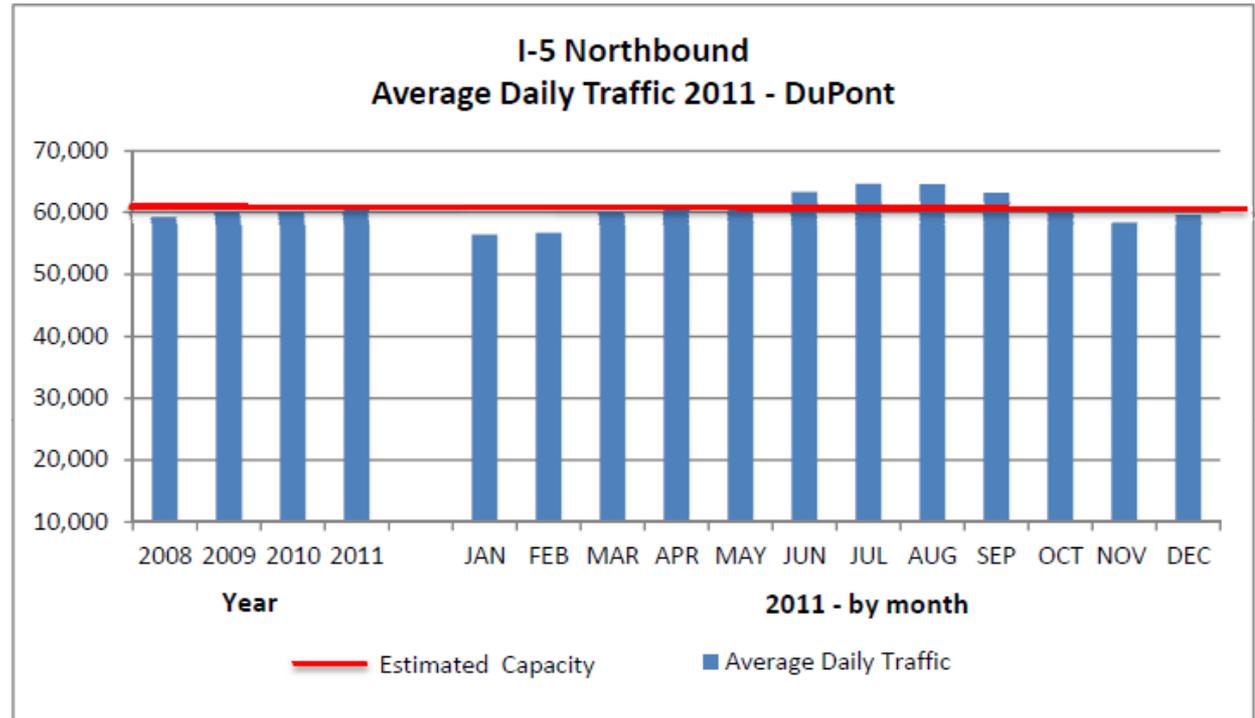
Joint Transportation Committee
April 18, 2012

Improving travel through a vital transportation corridor



The heavily-traveled section of I-5 between Thurston and Pierce counties regularly experiences traffic demands that exceed its capacity.

More demand than capacity



Without improvements, I-5 can no longer handle daily traffic demands.

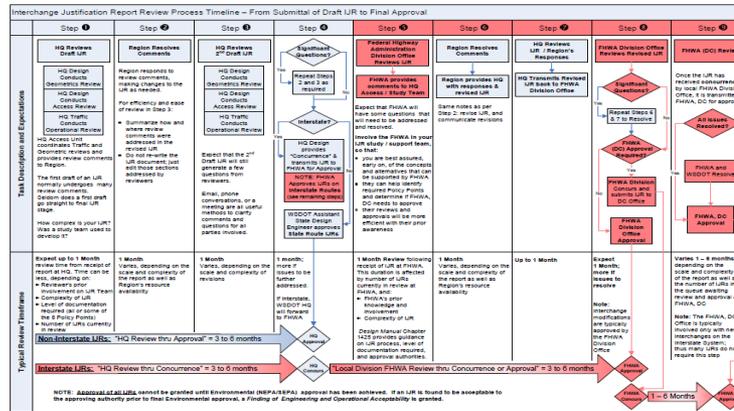
Three-prong approach for managing congestion



Operate efficiently



Manage demand



Add capacity strategically
Interchange Justification Reports (IJRs) – complex studies for improvements.



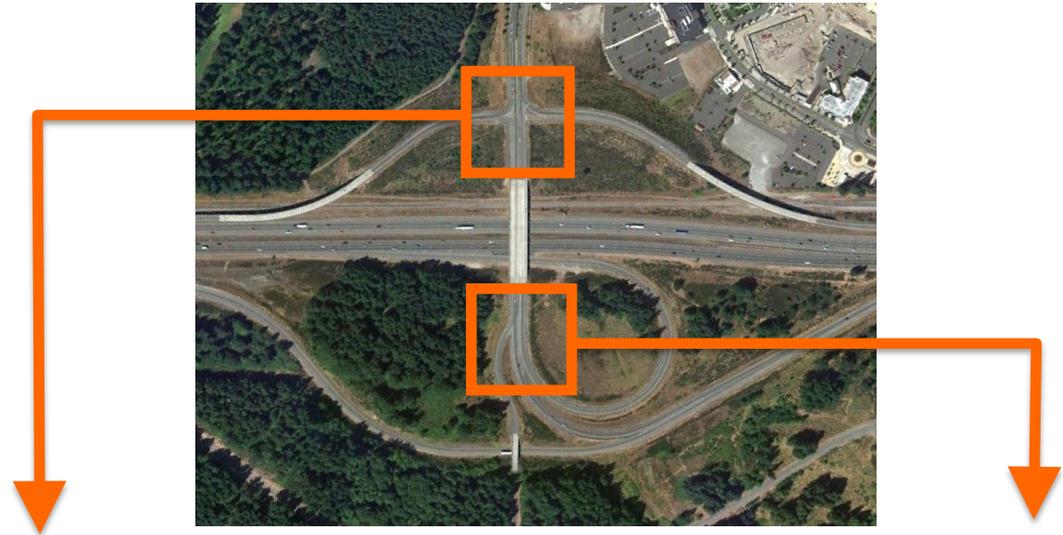
Efforts and Improvements

2003 – Labor Day 2010

Studies and Reports

- Interchange Justification Report for Center Drive: July 2010
- Center Drive Study: 2005 -2009
- Lakewood Study: 2005-2008
- Interchange Justification Report for Thorne Lane: 2003-2005

Improved interchange at **Center Drive** moves more cars



SB Ramp

Before



After



NB Ramp/Center Gate

Before



After



Efforts and Improvements

Post Labor Day 2010

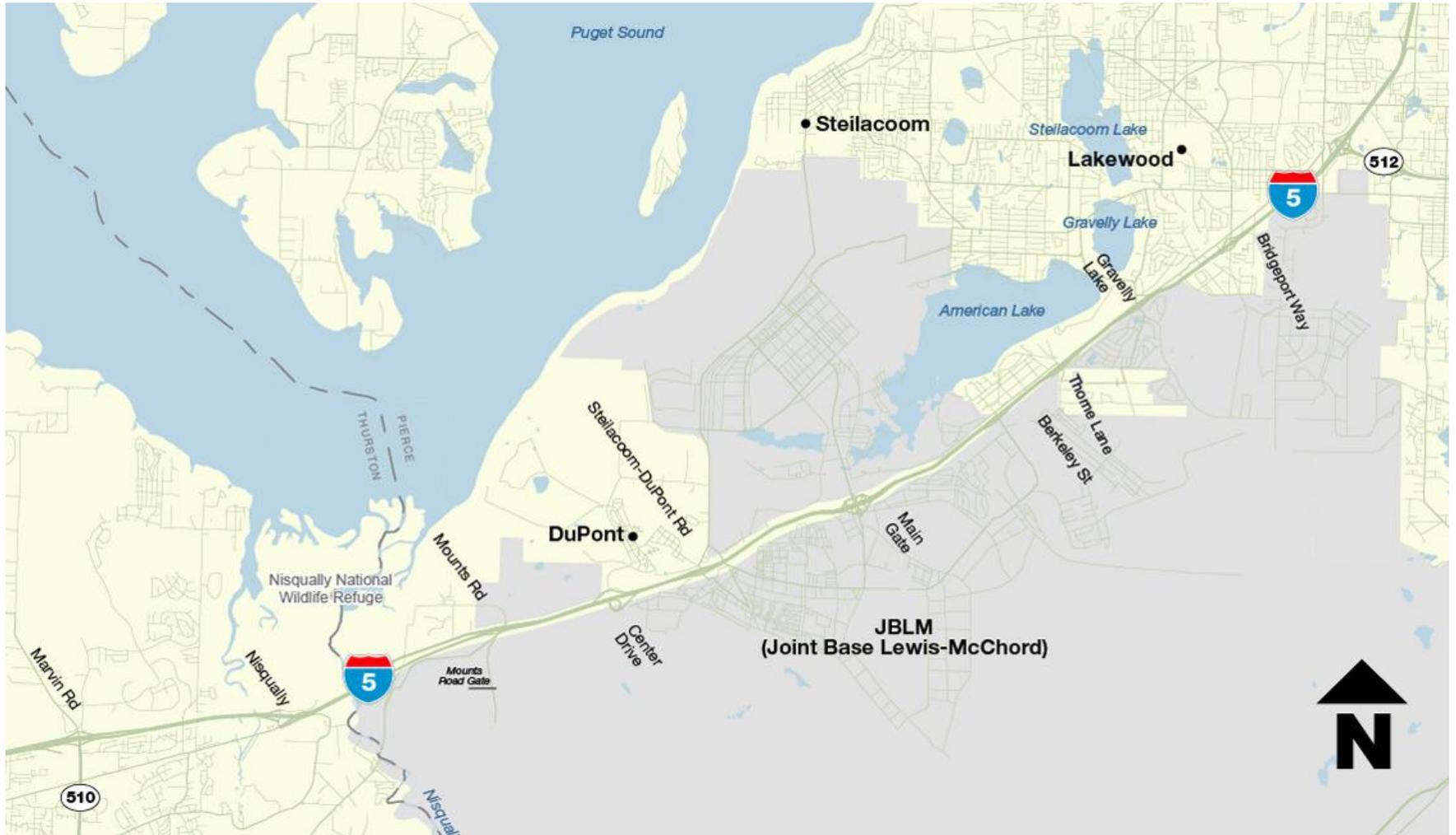


Efforts and Improvements

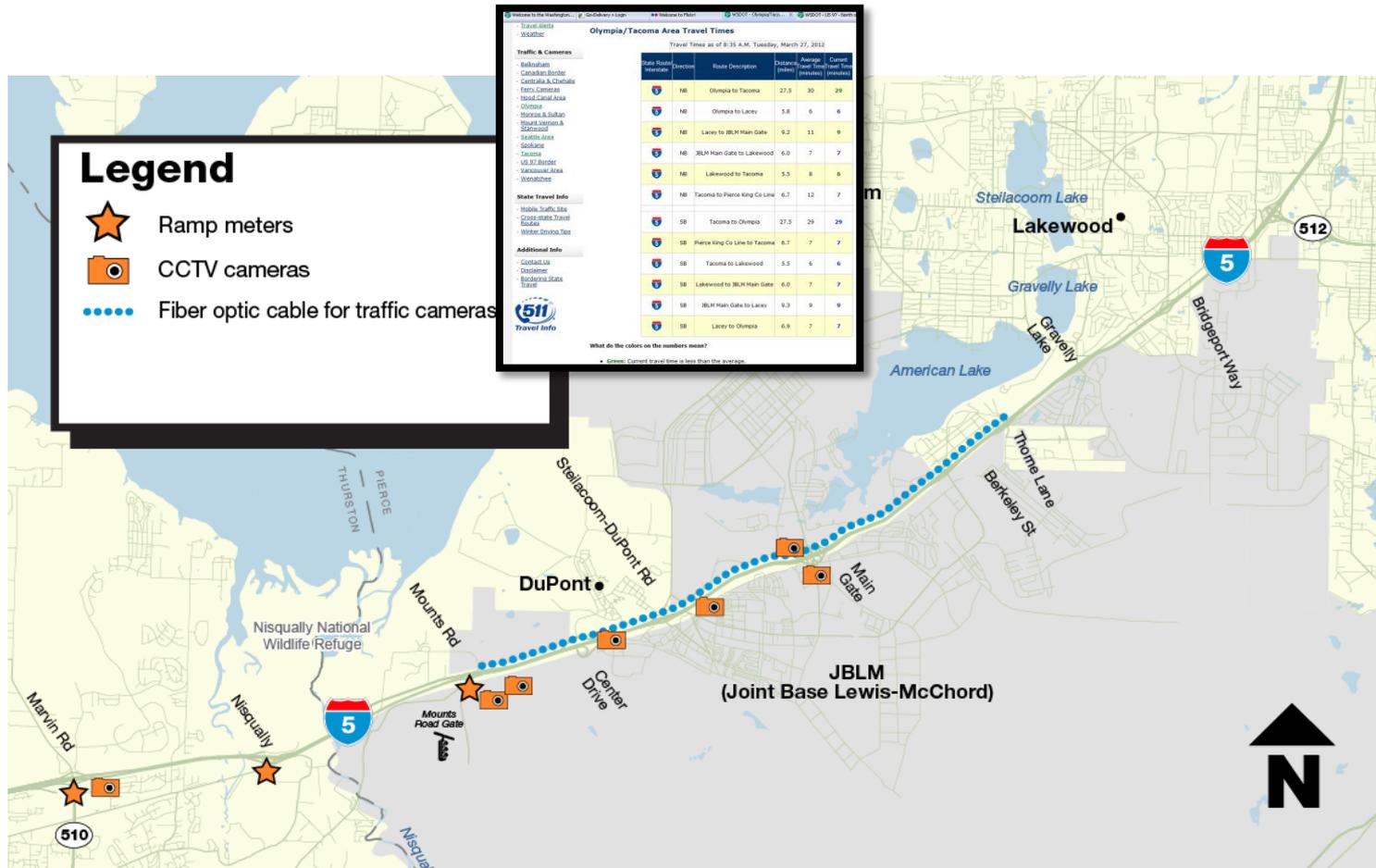
Post Labor Day
2010



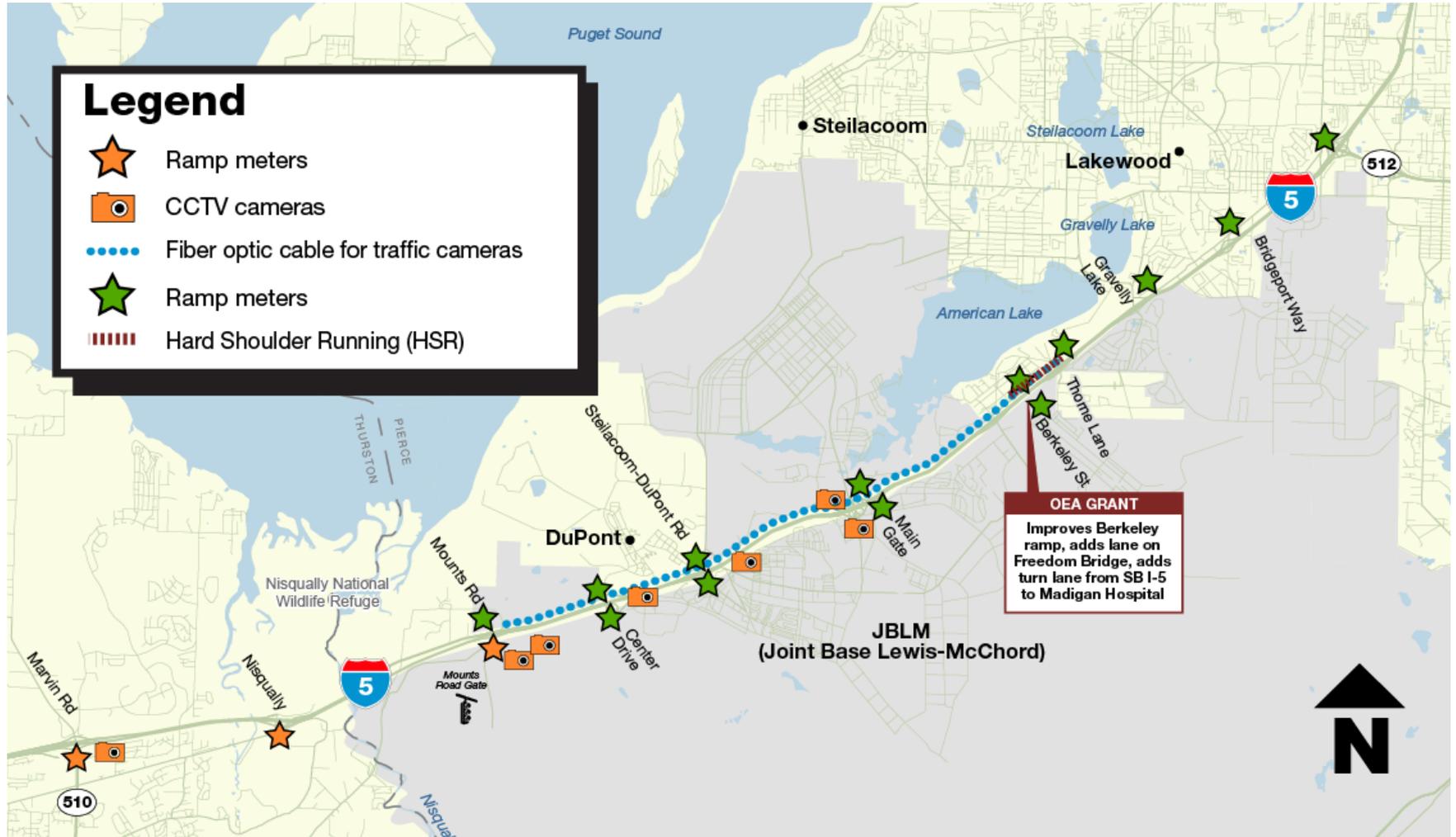
Continuing Efforts



Recent Efforts



Upcoming efforts



Next Steps

The 2012 Legislature provided \$5.85 million for the following Interchange Justification Reports:

- Thorne Lane
- Berkeley Avenue
- Main Gate
- Steilacoom-DuPont Road



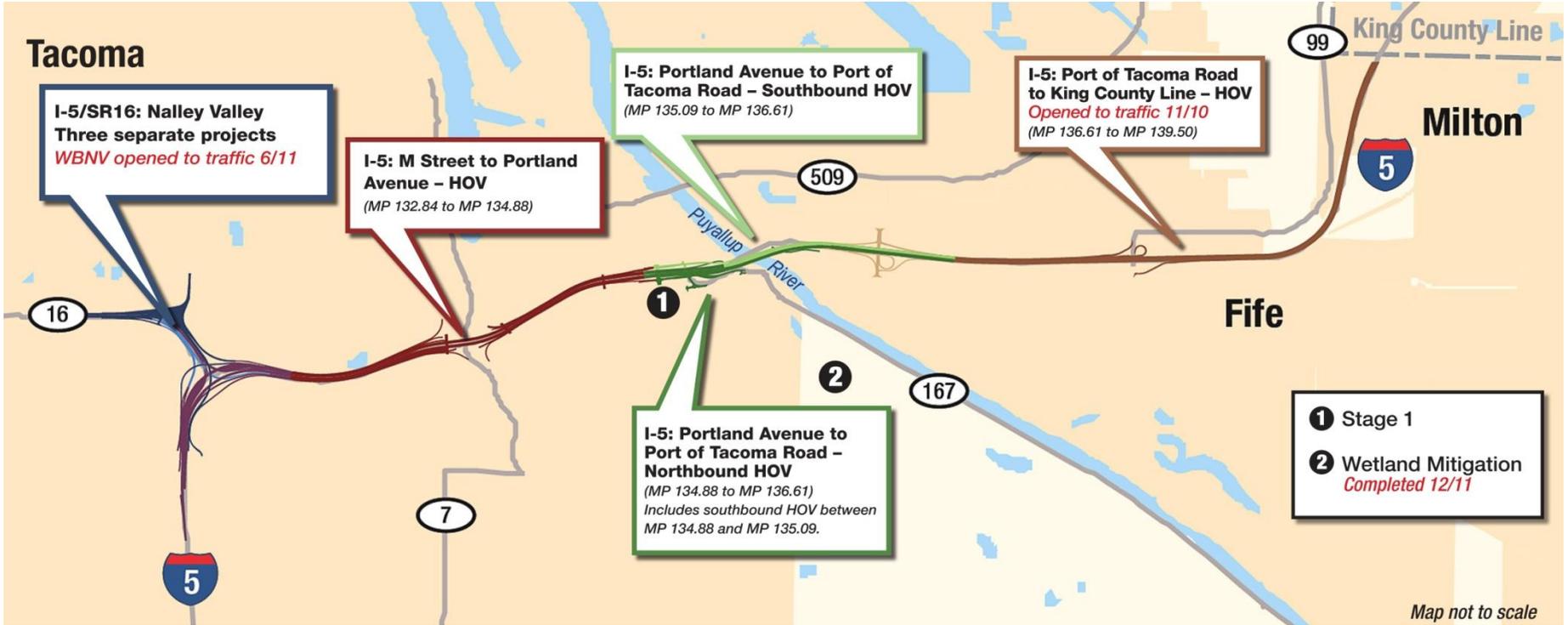
The reports will detail precise needs and data that will guide improvements.

Future steps

Work Item
Extend PSRC Demand Model to SR 510
Widen Freedom Bridge and other improvements at Berkeley St. I/C (OEA grant)
Install ramp meters and signal at Mounts Gate; implement hard shoulder running and other improvements to local network. (TIGER III)
Evaluate and update work previously done on Thorne Lane I/C
Develop an overall corridor plan and environmental assessment, prepare Interchange Justification Reports
Construct Thorne Lane I/C and Gravelly Lake-Thorne connector
Build fourth lanes between Berkeley St. and Thorne Lane I/C
Construct Steilacoom-DuPont I/C
Build the fourth I-5 lanes from Main Gate to Berkeley Street I/C
Construct improvements to Main Gate I/C
Build the fourth I-5 lanes from Main Gate to Steilacoom-DuPont I/C
Replace Berkeley Street I/C

Tacoma/Pierce County HOV Program

Tacoma





I-5/SR 16: Westbound Nalley Valley
Opened to traffic in June 2011
\$183 million



I-5/SR 16: Eastbound Nalley Valley
Under construction through 2014
\$115 million (includes \$6.2M ARRA funds)



I-5/SR 16: HOV Connectors
Ad –2020, Construction – 2020-2022
\$213 million



**I-5: M Street to Portland Avenue – HOV
Ad – Fall 2013, construction – 2014 – 2017
\$191 million**



**I-5: Portland Avenue to Port of Tacoma Road – HOV
Northbound Ad – 2012, Northbound construction – 2013-2015
\$311 million (includes Stage 1 and Clear Creek wetland)**



**I-5: Portland Avenue to Port of Tacoma Road – HOV
Southbound Ad – 2015, Southbound construction – 2015-2018
\$222 million**



I-5: Port of Tacoma Road to King County Line – HOV
Opened to traffic in 2010
\$58 million (included \$35M ARRA funds)

SR 302 - Key Peninsula Highway to Purdy Vicinity - Safety & Congestion



Project Scope: Improve safety on 6.23 miles of SR 302 by removing trees and other fixed objects within Right of Way, adding turn lanes at 118th Ave and Goodrich Drive, added rumble strips, sight distance improvements and construction of pullouts.

Schedule: Construction starts Spring 2014. Completion fall 2015

Budget: Total project cost \$6,495,000

SR 16 / Rosedale St. NW Vicinity – Frontage Road

Scope: Construct a frontage road to eliminate the existing at-grade intersections on SR16 as shown.

Schedule: Complete hydraulics report, identify Right of Way needs and move preliminary design to 90% then shelve project in May 2012 pending additional funds.

Budget:

Total funding to date \$423k.

Estimated total project cost \$5,237,000.



For more information

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